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CURRICULUM VITÆ

John H. Preston

Office

Economists Incorporated

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Home

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(703) 998-3074

Education

A. B. English, Dartmouth College (1966)

M. A. Economics, University of Michigan (1972)
Candidate in Philosophy Economics, University of

Michigan (1974)

Professional Experience (Consulting) Vice President, Economists Incorporated

(December 1995-Present)

Senior Economist, Economists Incorporated

(April 1985-December 1995)

Selected Matters Timberlawn v. Tenet Healthcare, et al. Provided affidavit, deposition testimony, and trial testimony on behalf of defendants in the alleged monopolization of psychiatric hospitals in the Dallas area by NME.

British Telecom/AT&T Global Venture. Provided economic analysis on a wide range of competition issues concerning the global venture, including presentations to the European Commission and DOJ.

Selected Matters (continued)

Acquisition of AMI acute care hospitals by NME. Analysis of competitive effects of the acquisition of acute-care hospitals for presentation to DOJ.

Acquisition of Caremark's home infusion business by Coram. Analysis of competitive effects of the acquisition and participation in presentation to DOJ.

Trigon (Virginia Blue Cross and Blue Shield)
Demutualization. Filed testimony concerning the
growth and significance of managed care competition
nationally and in Virginia.

PacifiCare/FHP merger. Analysis of the impact of this proposed merger on the provision of Medicare HMO services in California. Made written and oral presentations to the FTC staff and senior management.

WellPoint/HSI merger. Analysis of the competitive effects of this proposed merger of two of the largest HMOs in California and participation in meetings with DOJ.

Acquisition of NME psychiatric hospitals by Charter Medical. Developed analysis and made presentations to the FTC analyzing competitive effects of the proposed acquisition of more than 40 psychiatric hospitals by Charter.

British Telecom-MCI joint venture to develop a global telecommunications network. On behalf of BT, participated in numerous presentations to DOJ and FCC concerning the competitive effects of the proposed development of a global network and BT's acquisition of 20% of MCI.

Sale of General Dynamics' Missile Division to Hughes Aircraft and General Dynamics' Jet Fighter Division to Lockheed. Helped prepare antitrust analysis and participated in presentations to DOJ and FTC on these defense industry mergers. Professional Experience (Antitrust Division)

Senior Economist (January 1975-April 1985) Economic Policy Office Antitrust Division U.S. Department of Justice

Honors

Special Achievement Award for work on U.S. v. Hospital Affiliates International, Inc. and American Health Services, Inc. (1980)

Outstanding Performance Rating (1980-1981)

Outstanding Performance Rating (1981-1982)

Outstanding Performance Rating (1982-1983)

Outstanding Performance Rating (1983-1984)

Meritorious Award (1983)

Selected Matters

Testimony Affidavit

U.S. v. Hospital Affiliates International, Inc., and American Health Services, Inc. In 1980, submission of an affidavit to the U.S. District Court in New Orleans analyzing the competitive effects of the proposed merger of three psychiatric hospitals in New Orleans, LA.

Deposition Testimony

U.S. v. British Columbia Forest Products, et. al. In 1981, deposition testimony on the preparation of the trial exhibits for the challenge of an acquisition of a coated groundwood paper plant by a firm partially owned by two other manufacturers of coated groundwood paper.

U.S. v. State Board of Certified Public Accountants of Louisiana. In 1984, deposition testimony on product and geographic market definition and competitive effects of restrictions on advertising and solicitation by the Louisiana board of accountants.

Grand Jury Testimony

U.S. v. Gary L. McAliley et. al. In 1980, testimony before a grand jury in Alabama on the effects of an alleged agreement between attorneys in Coffee County, Alabama to raise fees for real estate closings.

Other Filed Cases

U.S. v. National Medical Enterprises, et. al. Hospital merger case.

U.S. v. American Consulting Engineers Council Prohibitions on free designs and on participation in design competitions.

U.S. v. Alaska Board of Registration for Architects, Engineers and Land Surveyors Competitive bidding ban.

U.S. v. First Multiple Listing Service Alleged exclusion of competitors by owners of an essential facility.

Investigations

Georgia-Pacific Acquisition of Hudson Pulp & Paper. This merger was investigated by DOJ for antitrust implications in a number of paper and paperboard product lines.

Acquisition of Hospital Affiliates International by Hospital Corporation of America (1981). Merger of two major hospital management companies.

South Florida Physicians' Boycott (1983). Boycott by physicians to place pressure on the legislature to enact malpractice insurance legislation favorable to physicians.

Stanislaus Preferred Provider Organization (SPPO) (1984). Agreement by physician members of SPPO not to contract with any other PPOs allegedly in order to forestall the development of PPO competition in Stanislaus County.

Policy Matters The Division's position on the Health Care Cost Containment Act of 1983 (1984). This position was delivered in testimony by Charles F. Rule, Deputy Assistant Attorney General, to a Senate Subcommittee.

Letter to the Health Care Financing Administration (HCFA) (1984). This letter expressed the Division's views on certain proposals which would restrict the dissemination of information collected by Professional Review Organizations.

The Division's policy toward the health care sector in general and preferred provider organizations (PPOs) in particular (1985). This policy was expressed in a paper presented by J. Paul McGrath, Assistant Attorney General, to the National Health Lawyers Association and the ABA.

Business Review commenting on plans by the Southwest Michigan Health Systems Agency (HSA) (1982). The HSA wanted to publish rates charged by hospitals within the HSA.

Business Review commenting on a proposal by the Maryland Health Care Coalition (1982). The Coalition wanted to collect and disseminate information concerning the incentive effects of different types of insurance policies.

Letters to the ABA and State Supreme Courts (1982-1984). These letters expressed the Division's views on restrictions on advertising and solicitation contained in the ABA's Model Rules.

Publications

"An antitrust analysis of the Alliant decision and defense industry mergers," International Merger Law, April 1993 (w/ Philip B. Nelson) [Note: a shorter version appeared in Economists Ink (Winter 1993), a newsletter published by Economists Incorporated.]

"Coated Groundwood Paper Anti-Dumping Investigation," *Economists Ink* (Winter 1993).



INTERNATIONAL TELECOMMUNICATIONS SATELLITE ORGANIZATION

INTELSAT MEMBERS, INVESTING ENTITIES and INVESTMENT SHARES

31 December 1998, 1997 and 1996

Names and investment share amounts as of 12 April 1999, following the annual determination of investment shares on 1 March 1999

^{*} INTELSAT has been notified that this is the new Signatory name, although formal diplomatic notification to the Depositary of the INTELSAT Agreements was still pending at the time of publication of this report.

COUNTRY	SIGNATORIES/INVESTING ENTITIES	SHARES
Afghanistan	Ministry of Communications of the Islamic State of Afghanistan	0.050000
Algeria	Government of the Democratic and Popular Republic of Algeria	0.259984
Angola	Emprêsa Pública de Telecomunicações de Angola, ANGOLA TELECOM, E.P.	0.228888
Argentina Signatory: Investing Entities:	Secretaría de Comunicaciones Advance Telecom COMSAT Argentina GTECH Argentina IMPSAT Argentina Kavulakian Comunicaciones S.A. Pramer S.C.A. Servicio Para el Transporte de Información. Servicios Satelitales S.A. Teocar, S.A. Telecom Soluciones S.A. Telefonica Argentina WOLD Internacional, S.A. TOTAL Argentina	0.050000 0.047338 0.379273 0.014299 0.428431 0.007009 0.008833 0.012711 0.000474 0.031190 0.169589 0.184472 0.010015 1.343634
Armenia	Ministry of Telecommunications	0.050000
Australia	Telstra Corporation Limited	2.384412
Austria	Telekom Austria Aktiengesellschaft	0.272455
Azerbaijan	Ministry of Communication of Azerbaijan Republic	0.050000
Bahamas	The Bahamas Telecommunication Corporation (BATELCO)	0.118957
Bahrain	Bahrain Telecommunications Company (BATELCO)	0.442014
Bangladesh	Telegraph and Telephone Board of Bangladesh	0.326407
Barbados	Cable & Wireless BET Limited	0.089269
Belgium	BELGACOM	0.205725
Benin	Office des Postes et Télécommunications de la République du Bénin	0.057417
Bhutan	Department of Telecommunications, Ministry of Communications	0.050000
Bolivia	Empresa Nacional de Telecomunicaciones (ENTEL)	0.255617
Bosnia and Herzogovina	Public Enterprise PTT Bosnia and Herzegovina	0.050000
Botswana	Botswana Telecommunications Corporation	0.084344
Brazil	Emprêsa Brasileira de Telecomunicações S.A. (EMBRATEL)	2.104549
Brunei Darussalam	Department of Telecommunications, Ministry of Communications	0.249352
Bulgaria	Bulgarian Telecommunications Company Ltd.	0.050000
Burkina Faso	. ,	
Cameroon	Office National de Télécommunications (ONATEL)	0.050000
	Cameroon Telecommunications (CAMTEL)*	0.155000
Canada	Teleglobe Canada Inc.	2.439087
Cape Verde	Cabo Verde Telecom, SARL	0.050000
Central African Republic	Government of the Central African Republic	0.055000
Chad	Société des Télécommunications Internationales du Tchad (TIT)	0.050000
Chile		

Signatory:	Empresa Nacional de Telecomunicaciones S.A. (ENTEL)	0.646702
Investing Entities:	Bellsouth Chile S.A.	0.029454
	CTC Mundo Firstsom Long Distance	0.057758 0.007780
	Firstcom Long Distance TOTAL Chile	0.741694
China, People's Republic of		
Signatory:	CHINA TELECOM	1.496131
Investing Entities:	Hong Kong Telecom TOTAL China, People's Rep. of	0.726197 2.222328
Colombia	Empresa Nacional de Telecomunicaciones de Colombia (TELECOM)	1.504048
Comoros	Office National de Postes ed Télécommunications	0.050000
Congo, Dem. Rep. of	Office Congolais des Postes et Télécommunications*	0.151737
Congo	Government of the Republic of Congo	0.050000
Costa Rica	Instituto Costarricense de Electricidad	0.099994
Côte d'Ivoire	Agence des Télécommunications de Côte d'Ivoire (ATCI)	0.198319
Croatia	Ministry of Maritime Affairs, Transport and Communications	0.065488
Cyprus	Cyprus Telecommunications Authority	0.068435
Czech Republic	CESKÉ RADIOKOMUNIKACE a.s.	0.103211
Denmark		
Signatory: Investing Entities:	Tele Danmark A/S Telegreenland	0.220383 0.203321
mresung Enddes.	TOTAL Denmark	0.423704
Dominican Republic	Compañía Dominicana de Teléfonos, C. por A.	0.286305
Ecuador		
Signatory: Investing Entities:	Consejo Nacional de Telecomunicaciones(CONATEL) Andinatel S.A.	0.000000 0.152229
mvesting Enducs.	Pacifictel S.A.	0.086113
	TOTAL Ecuador	0.238342
Egypt	TELECOM EGYPT	0.482729
El Salvador	Compañía de Telecomunicaciones de El Salvador, S.A. de C.V. (CTE, S.A. de C.V.)	0.059133
Equatorial Guinea	Ministry of Transportation and Communications of the Republic of Equatorial Guinea	0.050000
Ethiopia	Ethiopia Telecommunication Corporation	0.149244
Fiji	Fiji International Telecommunications Limited (FINTEL)	0.054775
Finland	SONERA Limited	0.079241
France	ED ANCE TELECOM	2.760867
France Signatory: Investing Entities:	FRANCE TELECOM Belgacom Teleport S.A.	2.760867 0.000001
Signatory:	Belgacom Teleport S.A. Infotel	0.000001 0.001846
Signatory:	Belgacom Teleport S.A. Infotel French Polynesia	0.000001 0.001846 0.082474
Signatory:	Belgacom Teleport S.A. Infotel	0.000001 0.001846
Signatory:	Belgacom Teleport S.A. Infotel French Polynesia Protel	0.000001 0.001846 0.082474 0.000001
Signatory: Investing Entities:	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France	0.000001 0.001846 0.082474 0.000001 2.845189
Signatory: Investing Entities: Gabon	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697
Signatory: Investing Entities: Gabon Germany	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272
Signatory: Investing Entities: Gabon Germany Ghana	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056
Signatory: Investing Entities: Gabon Germany Ghana Greece	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE)	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecomunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecommunicaciones de Guatemala S.A.	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory:	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecomunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL)	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecommunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras Signatory:	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecommunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti Comisión National des Telecomunicaciones (CONATEL)	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecommunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras Signatory:	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecomunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti Comisión National des Telecomunicaciones (CONATEL) Hondutel	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras Signatory: Investing Entity:	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecommunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti Comisión National des Telecomunicaciones (CONATEL) Hondutel TOTAL Haiti	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096 0.000000 0.050000 0.050000
Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras Signatory: Investing Entity: Hungary	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecomunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti Comisión National des Telecomunicaciones (CONATEL) Hondutel TOTAL Haiti Hungarian Satellite Communications Association (HUNSAT)	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096 0.000000 0.050000 0.050000 0.100348
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras Signatory: Investing Entity: Hungary Iceland	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecomunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti Comisión National des Telecomunicaciones (CONATEL) Hondutel TOTAL Haiti Hungarian Satellite Communications Association (HUNSAT) Telecom Iceland Ltd. 1	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096 0.092096 0.050000 0.050000 0.050000 0.100348 0.148918
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras Signatory: Investing Entity: Hungary Iceland India	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecomunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti Comisión National des Telecomunicaciones (CONATEL) Hondutel TOTAL Haiti Hungarian Satellite Communications Association (HUNSAT) Telecom Iceland Ltd. 1 Videsh Sanchar Nigam Limited	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096 0.092096 0.050000 0.050000 0.100348 0.148918 4.300000
Signatory: Investing Entities: Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras Signatory: Investing Entity: Hungary Iceland India Indonesia	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecomunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti Comisión National des Telecomunicaciones (CONATEL) Hondutel TOTAL Haiti Hungarian Satellite Communications Association (HUNSAT) Telecom Iceland Ltd. 1 Videsh Sanchar Nigam Limited PT INDOSAT	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096 0.092096 0.000000 0.050000 0.050000 0.100348 0.148918 4.300000 0.831832
Gabon Germany Ghana Greece Guatemala Guinea Haiti Signatory: Investing Entities: Honduras Signatory: Investing Entity: Hungary Iceland India Indonesia Iran (Islamic Republic of)	Belgacom Teleport S.A. Infotel French Polynesia Protel TOTAL France Office des Postes et Télécommunications Deutsche Telekom AG Ghana Telecommunications Company Limited Helenic Telecommunications Organization S.A. (OTE) Telecomunicaciones de Guatemala S.A. Ministère des Postes et Télécommunications Conseil National des Télécommunications (CONATEL) Telecom Haiti TOTAL Haiti Comisión National des Telecomunicaciones (CONATEL) Hondutel TOTAL Haiti Hungarian Satellite Communications Association (HUNSAT) Telecom Iceland Ltd. 1 Videsh Sanchar Nigam Limited PT INDOSAT Telecommunication Company of Iran	0.000001 0.001846 0.082474 0.000001 2.845189 0.085697 3.449272 0.209056 0.312210 0.326185 0.057570 0.000000 0.092096 0.092096 0.092096 0.050000 0.050000 0.100348 0.148918 4.300000 0.831832 1.464398

Investing Entities:	Radio Telefis Eireann Ireland TOTAL Ireland	0.100806
Israel	"BEZEQ" The Israel Telecommunication Corporation Limited	0.160421
Italy	Telecom Italia S.p.A.	1.061702
Jamaica	Cable & Wirless Jamaica Limited*	4.518696
Japan Japan		0.221626
Jordan	KDD Corporation	1.833521
Signatory: Investing Entity:	Government of the Hashemite Kingdom of Jordan Jordan Telecom TOTAL Jordan	0.050000 0.200000 0.250000
Kazakhstan Signatory	Ministry of Transportation and Communication of the Republic of Kazakhstan	0.000000
Investing Entities	JSC "TNS-Plus" Kazakh Telecom TOTAL Kazakhstan	0.180171 0.266264 0.446435
Kenya	Kenya Posts and Telecommunications Corporation	0.324625
Korea, Republic of	Korea Telecom	1.623825
Kuwait	The Ministry of Communications, The State of Kuwait	1.136408
Kyrgyzstan	Ministry of Transport and Communications*	0.050000
Lebanon	Government of Lebanon	0.157513
Libyan Arab Jamahiriya	Government of the Great Socialist People's Libyan Arab Jamahiriya	0.246803
Liechtenstein	Government of the Principality of Liechtenstein	0.050000
Luxembourg	Government of Luxembourg	0.050000
Madagascar	TELECOM MALAGASY S.A.	0.067000
Malawi	Malawi Posts and Telecommunications Corporation*	0.058984
Malaysia	Syarikat Telekom Malaysia Berhad	0.886259
Mali	Société des Télécommunications du Mali (SOTELMA)	0.099994
Malta	MALTACOM plc	0.079637
Mauritania	Government of the Islamic Republic of Mauritania	0.050000
Mauritius	Mauritius Telecom Limited	0.150000
Mexico	TELECOMUNICACIONES DE MÉXICO (TELECOMM)	0.270917
Micronesia, Federated States of	Federated States of Micronesia Telecommunications Corporation	0.050000
Monaco	MONACO TELECOM, S.A.M.	0.050000
Mongolia	Mongolia Telecom	0.050000
Morocco	Itissalat Al Maghrib S.A. (IAM)	0.163135
Mozambique	Emprêsa Nacional de Telecomunicações de Moçambique	0.181451
Namibia	Telecom Namibia (Ltd.)	0.050000
Nepal	Nepal Telecommunications Corporation	0.098164
Netherlands	Koninklijke PTT Nederland NV	1.130312
New Zealand		
Signatory: Investing Entities:	Telecom Corporation of New Zealand Ltd. Gennet Services Ltd.	0.493608 0.124934
mvesting Lattics.	Television New Zealand Ltd.	0.124934
	TOTAL New Zealand	0.620592
Nicaragua	Instituto Nicaragüense de Telecomunicaciones y Correos (TELCOR)	0.053805
Niger	Government of the Republic of Niger	0.073926
Nigeria	Nigerian Telecommunications Limited (NITEL) 1	0.500000
Norway	Telenor Satellite Services AS	5.619409
Oman	General Telecommunications Organization	0.244789
Pakistan	Government of the Islamic Republic of Pakistan	0.895612
Panama	C&W Panamá S.A.	0.414442
Papua New Guinea	Telikom PNG Limited	0.067592
Paraguay	Comisión Nacional de Telecomunicaciones (CONATEL)	0.155828
Peru Signatory: Investing Entities	Ministry of Transportation, Communications, Housing and Construction Telefonica del Peru TOTAL Peru	0.986851
Philippines	Philippine Communications Satellite Corporation (PHILCOMSAT)	0.986851 0.300268
Poland	The Polish Telecommunication Company	0.300268
Portugal	Companhia Portuguesa Rádio Marconi	0.902850
Qatar	Qatar Telecom QSC (Q-TEL)*	0.230349
-		0.2303 17

Domonia.	Carlos A. Maria at the Balliana and Carlos Co.	0.404.000
Romania	Societatea Nationala de Radiocomunicatii S.A.	0.136470
Russian Federation Rwanda	State Committee for Communications and Informatization	0.128844
	RWANDATEL, S.A.*	0.050000
Saudi Arabia	Saudi Telecom Company	0.925892
Senegal	Government of the Republic of Senegal	0.149611
Singapore Signatory:	Singapore Telecommunications Limited	1 160022
Investing Entities:	ST Teleport Pte Ldt	1.160923 0.000626
5	TOTAL Singapore	1.161549
Somalia	Ministry of Posts and Telecommunications of the Somali Democratic Republic	0.050000
South Africa	TELKOM S.A. Limited	1.161013
Spain	Telefónica de España, S.A.	0.984812
Sri Lanka	•	
Signatory:	Government of Sri Lanka	0.257035
Investing Entity:	M-S Electroteks Ltd.	0.000233
C., da	TOTAL Sri Lanka	0.257368
Sudan	Government of the Republic of the Sudan	0.093878
Swaziland	Posts and Telecommunications Corporation (Public)	0.050000
Sweden Signatory:	Telia AB	0.410075
Investing Entities:	Tele-2	0.410975 0.000001
	Nordiska Tele8 AB	0.007919
	TOTAL Sweden	0.418895
Switzerland	Swisscom AG	1.200943
Syrian Arab Republic	Government of the Syrian Arab Republic	0.140168
Tajikistan	Ministry of Communications, Public	0.050000
Tanzania	Tanzania Telecommunications Company Ltd.	0.120000
Thailand	Comminucations Authority of Thailand	0.588572
Togo	Société des Télécommunications du Togo (TOGO TELECOM)	0.097546
Trinidad and Tobago	Telecommunications Services of Trinidad & Tobago Limited	0.067591
Tunisia	Ministère des Transports et des Communications	0.050000
Turkey	TÜRK TELEKOMÜNIKASYON A.?	1.643406
Uganda	TORK TELESTONIONIENGTON A	1.043400
Signatory:	Uganda Communications Commission	0.000000
Investing Entity:	Uganda Telecom Ltd.	0.050000
	TOTAL Uganda	0.050000
United Arab Emirates	Ministry of Communications of the Government of the United Arab Emirates	1.229442
United Kingdom	Distribution of the state of	
Signatory: Investing Entities:	British Telecommunications plc Cable & Wireless plc	5.073892 0.389728
mvesting Emilies.	C&W Communications	1.179160
	COMSAT General	0.215415
	COMSAT International Ventures Data Marine	0.000001
	Data Marine Datasat Communications	0.000001 0.054699
	DeTeSat Deutsche Telekom	0.005459
	Globecast Northern Europe Ltd.	0.014045
	I.C.E.L. (UK) Loral Orion	0.000001
	Loral Orion Europe GMBH	0.000001 0.001060
	Lyman Brothers	0.016837
	Multipoint Communications Ltd.	0.000001
	Muslim Television Newsforce (UK) Ltd.	0.000001
	National Transcommunications Ltd. (NTL)	0.044058 0.000001
	Redwing Satellite Solutions Ltd.	0.011308
	Satellite Media Services	0.002070
	Spacetel International Teleport London	0.006084 0.002104
	Tele Bermuda	0.003285
	Williams Communication Group Ltd.	0.000001
	TOTAL United Kingdom	7.019212
United States of America	COMSAT Corporation	19.838563
Uruguay	Administración Nacional de Telecomunicaciones	0.052693
Uzbekistan	Posts and Telecommunications Agency of Uzbekistan	0.050000
Vatican City	Government of the Vatican City State	0.050000

Venezuela	Venezuelan Telephone Company (Compañía Anónima Nacional Teléfonos de Venezuela)	1.442133
Viet Nam	Vietnam Posts and Telecommunications Corporation	0375017
Yemen	Government of the Republic of Yemen	0.092786
Yugoslavia	Community of the Yugoslav Posts, Telegraphs and Telephones	0.115881
Zambia	Government of the Republic of Zambia	0.130000
Zimbabwe	Government of Zimbabwe	0.050000
•	TOTAL	100.000000

^{*} INTELSAT has been notified that this is the new Signatory name, although formal diplomatic notification to the Depositary of the INTELSAT Agreements was still pending at the time of publication of this report.

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Countries Granting up to Level 3 Direct Access or up to Level 4 Direct Access as of September 24, 1999

1. Countries Granting up to Level 3 Direct Access

Australia

Austria*

Azerbaijan

Bangladesh

Belarus (D)

Benin

Bosnia and Herzogovina

Botswana

Brunei Darussalam

Burundi (D)

Cambodia (D)

Central African Republic

Chad

Colombia

Comoros

Cook Islands (D)

Costa Rica

Dominica (D)

Dominican Republic

Egypt

Ethiopia

Gabon

Georgia (D)

Germany

Guyana (D)

Hungary

Indonesia

Iraq

Israel

Japan

Korea, Republic of

Lao, P.D.R. (D)

Latvia (D)

Lithuania (D)

Macedonia (D)

Malaysia

Mali

Malta

Mauritius

Monaco

Mongolia

Namibia

Nepal

Netherlands

Niger

Nigeria

Oman

Paraguay

Portugal

Qatar

Sao Tome E Principe (D)

Senegal

Seychelles (D)

Spain

St. Lucia (D)

Sudan

Suriname (D)

Switzerland

Tajikistan

Tonga (D)

Turkmenistan (D)

Tuvalu (D)

Ukraine (D)

Venezuela

Yemen

2. Countries Granting up to Level 4 Direct Access

Argentina

Brazil

Canada

Chile

China, People's Republic of*

Congo, Dem. Rep. of

Côte d'Ivoire

Denmark

Ecuador

El Salvador

Finland*

France*

Ghana

Guatemala

Guinea

Haiti

Honduras

Ireland

Jordan

Kazakhstan

Kyrgyzstan

Madagascar

New Zealand

Nicaragua

Norway

Peru

Russian Federation

Singapore

Sri Lanka

Swaziland

Sweden

Tanzania

Uganda

United Kingdom*

Zambia

Source: INTELSAT compilation, September 24, 1999.

* = Blanket authorization.

(D) = Duly Authorized Telecommunications Entity.